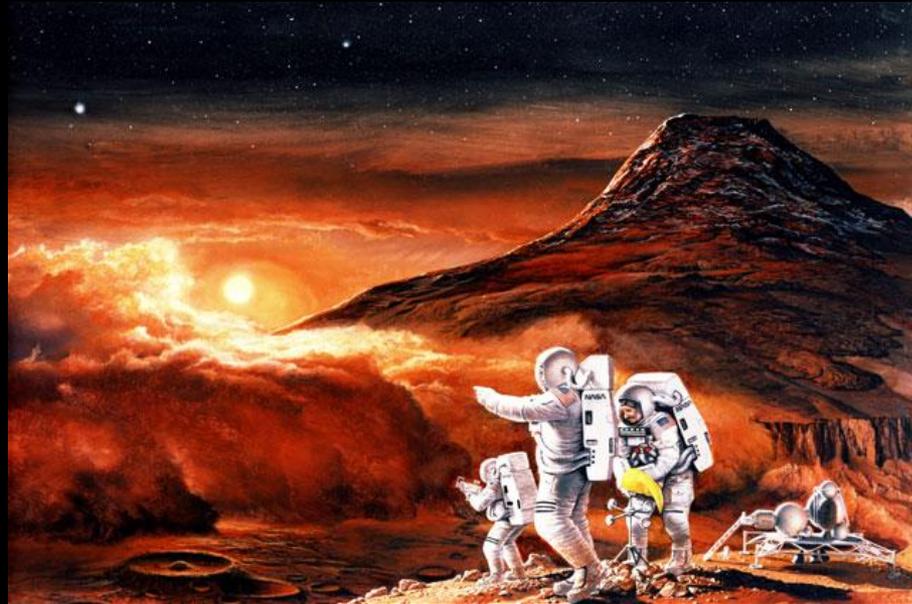




# Expanding the Final Frontier: *Commercial Missions to the ISS and Beyond*

**Presented at the**  
**International Satellite Servicing Workshop**  
*Greenbelt, Maryland, March 25, 2010*

# The Dawning of a New Era



- Commercial crew will free NASA from the shackles of LEO to do what it does best, push the envelope and explore the frontiers of space
- As has occurred with the telecom industry, once unleashed, the private sector can create thousands of jobs and whole new fields of endeavor that are not dependent on taxpayer funding

# The Genesis Missions





# Launch of Genesis II on Dnepr LV from Yasny Launch Base



Approved for public release; distribution unlimited.

# Genesis Missions



# Future Bigelow Aerospace Plans



- Deploy Sundancer, Bigelow Aerospace's first spacecraft capable of supporting a human presence in orbit
- Deploy a node and bus to connect with Sundancer
- Deploy a second Sundancer
- Deploy a Full Standard Module, the 'BA-330'

# Commercial Crew Development Program



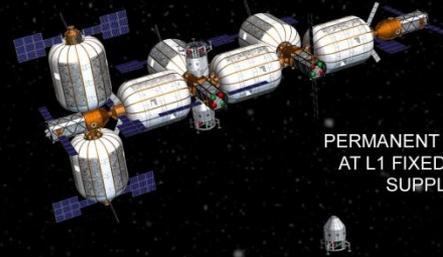
Approved for public release; distribution unlimited.

# Atlas V

- 20 Consecutive Successful Launches
- 16 years of flawless operation for the Atlas Family



# Beyond LEO



PERMANENT LUNAR SUPPLY STATION  
AT L1 FIXED LOCATION RECEIVING  
SUPPLIES FROM EARTH



LUNAR BASE IS BEING ASSEMBLED AT  
L1 FIXED LOCATION FOR LUNAR DEPLOYMENT

# The Moon

